

Atty. Dkt. WGEC/0037

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DT04 Rec'd PCT/PTO 09 JUL 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
ROBERTSSON, et al.

Serial No.: To Be Assigned

Filed: Herewith

Confirmation No.: Unknown

For: A METHOD AND APPARATUS FOR PROCESSING SEISMIC DATA

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Group Art Unit: Unknown

Examiner: Unknown

**MAIL STOP PATENT APPLICATION**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**Dear Sir:**

**CERTIFICATE UNDER 37 CFR 1.10**

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on July 2, 2004 with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. EV509287622US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Date 9 Aug 04

Signature

## PRELIMINARY AMENDMENT

Prior to examination, please amend the above-identified application as follows:

**In the claims:**

1. A method of processing multi-component seismic data obtained from seismic signals propagating in a medium, the method comprising the steps of: selecting a first portion of the seismic data containing only events arising from critical refraction of seismic energy; and determining a first calibration filter from the first portion of the seismic data, the first calibration filter being to calibrate a first component of the seismic data relative to a second component of the seismic data.